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**FAX TRANSMISSION**

DATE: July 26, 2007

PTO IDENTIFIER: Application Number 10/799,186-Conf. #8185  
Patent Number

Inventor: David L. Detlefs

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (571) 273-8300

FROM: OSHA · LIANG LLP

Robert P. Lord

PHONE: (713) 228-8600

Attorney Dkt. #: 33226/984001; SUN040081

PAGES (Including Cover Sheet): 22

CONTENTS: Transmittal (1 page)  
Transmittal Letter (2 pages)  
Revocation and Substitute under 37 CFR §1.36 with attached Appendix A (17 pages)  
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PTO/SB/21 (04-07)  
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<b>TRANSMITTAL FORM</b>  <small>(to be used for all correspondence after initial filing)</small>		Application Number	10/799,186-Conf. #8185
		Filing Date	March 12, 2004
		First Named Inventor	David L. Dettels
		Art Unit	2171
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	21	Attorney Docket Number	33226/984001; SUN040081

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/Incomplete Application  <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Transmittal Letter (2 pages) Certificate of Transmission (1 page)
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	OSHA LIANG LLP	
Signature		
Printed name	Robert P. Lord	
Date	July 26, 2007	Reg. No. 46,479

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Docket No.: 33226/984001; SUN040081  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
David L. Detlefs

Application No.: 10/799,186

Confirmation No.: 8185

Filed: March 12, 2004

Art Unit: 2171

For: EXPLOITING POPULAR OBJECTS TO  
REDUCE MUTATOR OVERHEAD

Examiner: Not Yet Assigned

**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced Patent Application:

1. Transmittal (1 page);
2. Revocation and Substitute under 37 CFR §1.36 with attached Appendix A (17 pages); and
3. Certificate of Transmission (1 page).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in

Application No.: 10/799,186

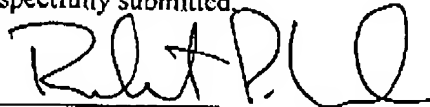
Docket No.: 33226/984001; SUN040081

this application by this firm) to our Deposit Account No. 50-0591, under Order No. 33226/984001; SUN040081.

Dated: July 26, 2007

Respectfully submitted,

By



Robert P. Lord  
Registration No.: 46,479  
OSHA · LIANG LLP  
1221 McKinney St., Suite 2800  
Houston, Texas 77010  
(713) 228-8600

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**CENTRAL FAX CENTER****JUL 26 2007****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Name of Applicant and Assignee: SUN MICROSYSTEMS, INC.  
Address of Applicant and Assignee: 4150 Network Circle  
Santa Clara, CA 95054

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**REVOCATION AND SUBSTITUTION  
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36**

Dear Sir:

Pursuant to 37 C.F.R. §1.36, Sun Microsystems, Inc., the applicant and assignee of the patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 32615

**32615**  
PATENT TRADEMARK OFFICE

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to:

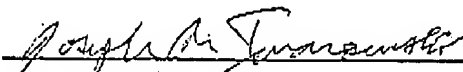
Robert P. Lord  
OSHA • LIANG LLP  
1221 McKinney Street, Suite 2800  
Houston, Texas 77010  
Telephone No.: (713) 228-8600  
Facsimile No.: (713) 228-8778

Further, please change the attorney/docket number corresponding to the patent applications listed in APPENDIX A from the attorney/docket number on file to that indicated on APPENDIX A.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified applicant.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the sixteen patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:



Dated:

Dec. 20, 2006

Name:

Joseph A. Twarowski

Title:

Assistant General Counsel  
Sun Microsystems, Inc.

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## **APPENDIX A**

1. **Patent Application/Serial No.:** 10/799,049  
**Title:** GARBAGE-FIRST GARBAGE COLLECTION  
**Filed:** 3/12/2004  
**Applicant:** Sun Microsystems, Inc.  
**Reel/Frame No.:** 015079/0946  
**Reference No:** 33226/940001; SUN040074
2. **Patent Application/Serial No.:** 10/394,813  
**Title:** ELISION OF WRITE BARRIERS FOR STORES WHOES VALUES ARE IN CLOSE PROXIMITY  
**Filed:** 3/21/2003  
**Applicant:** Sun Microsystems, Inc.  
**Reel/Frame No.:** 013905/0661  
**Reference No:** 33227/023001; P7479
3. **Patent Application/Serial No.:** 09/551,113  
**Title:** CONCURRENT SHARED OBJECT IMPLEMENTED USING A LINKED-LIST WITH AMORTIZED NODE ALLOCATION  
**Filed:** 4/18/2000  
**Applicant:** Sun Microsystems, Inc.  
**Reference No:** 33226/960000; P4665

4. Patent Application/Serial No.: 10/664,799  
Title: BLINDED ENCRYPTION AND DECRYPTION  
Filed: 9/18/2003  
Applicant: Sun Microsystems, Inc.  
Reference No: 33227/009001
5. Patent Application/Serial No.: 10/313,878  
Patent No.: 7,143,124  
Title: DECETION OF DEAD REGIONS DURING INCREMENTAL COLLECTION  
Filed: 12/6/2002  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 013559/0709  
Reference No: 33226/977001; P8275
6. Patent Application/Serial No.: 09/547,288  
Title: MAINTAINING A DOUBLE-ENDED QUEUE IN A CONTIGUOUS ARRAY WITH CONCURRENT NON-BLOCKING INSERT AND REMOVE OPERATIONS USING A DOUBLE COMPARE-AND-SWP PRIMITIVE  
Filed: 4/11/2000  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 010712/0617  
Reference No: 33226/959002; P4663



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7. **Patent Application/Serial No.:** 10/861,704  
**Title:** THREAD SUSPENSION SYSTEM AND METHOD  
**Filed:** 6/4/2004  
**Applicant:** Sun Microsystems, Inc.  
**Reference No:** 33226/955002; P2927 C
8. **Patent Application/Serial No.:** 09/454,427  
**Title:** DYNAMIC EMBEDDING OF LITERAL OBJECT DATA IN SUPPLIED INSTANCE OF INFORMATION OBJECT  
**Filed:** 12/3/1999  
**Applicant:** Sun Microsystems, Inc.  
**Reel/Frame No.:** 010448/0577  
**Reference No:** 33226/956001; P3916
9. **Patent Application/Serial No.:** 11/099,720  
**Title:** SEQUENTIALLY PERFORMED COMPARE-AND-SWAP  
**Filed:** 4/6/2005  
**Applicant:** Sun Microsystems, Inc.  
**Reel/Frame No.:** 016661/0899  
**Reference No:** 33226/962002; P4667-US-DIV-1

10. Patent Application/Serial No.: 09/710,218  
Patent No.: 7,117,502  
Title: LINKED-LIST IMPLEMENTATION OF  
DATA STRUCTURE WITH  
CONCURRENT NON-BLOCKING  
INSERT AND REMOVE OPERATIONS  
Filed: 11/10/2000  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 011305/0889  
Reference No: 33226/963001; P4896
11. Patent Application/Serial No.: 10/996,508  
Title: WORK-STEALING QUEUES FOR  
PARALLEL GARBAGE COLLECTION  
Filed: 11/23/2004  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 011270/0285  
Reference No: 33226/964002; P4946C1
12. Patent Application/Serial No.: 60/204,184  
Title: PARALLEL GARBAGE COLLECTION  
FOR SHARED MEMORY  
MULTIPROCESSORS  
Filed: 5/15/2000  
Applicant: Sun Microsystems, Inc.  
Reference No: 33226/964000; P4948

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13. Patent Application/Serial No.: 09/697,729  
Patent No.: 6,823,351  
Title: WORK-STEALING QUEUES FOR  
PARALLEL GARBAGE COLLECTION  
Filed: 10/26/2000  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 011270/0285  
Reference No: 33226/964001; P4946
14. Patent Application/Serial No.: 09/893,256  
Patent No.: 7,103,887  
Title: LOAD-BALANCING QUEUES  
EMPLOYING LIFO/FIFO WORK  
STEALING  
Filed: 6/27/2001  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 011943/0085  
Reference No: 33226/966001; P5388
15. Patent Application/Serial No.: 10/166,874  
Title: PREFETCHING TECHNIQUES FOR  
NETWORK INTERFACES  
Filed: 6/11/2002  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 013001/0641  
Reference No: 33226/967001; P7322

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**16. Patent Application/Serial No.:** 10/679,183

**Title:** DEFERRING AND COMBINING  
WRITE BARRIERS FOR A GARBAGE-  
COLLECTED HEAP

**Filed:** 10/3/2003

**Applicant:** Sun Microsystems, Inc.

**Reel/Frame No.:** 014590/0742

**Reference No:** 33226/971001; P7863

**17. Patent Application/Serial No.:** 10/653,828

**Title:** SHARED SYNCHRONIZED SKIP-LIST  
DATA STRUCTURE AND  
TECHNIQUE EMPLOYING  
LINEARIZABLE OPERATIONS

**Filed:** 9/3/2003

**Applicant:** Sun Microsystems, Inc.

**Reel/Frame No.:** 014483/0341

**Reference No:** 33226/972001; P7982

**18. Patent Application/Serial No.:** 10/991,148

**Title:** USE OF MEMORY PROTECTION TO  
IMPLEMENT REPLICATING  
COLLECTION IN A INCREMENTAL,  
COPYING GARBAGE COLLECTOR

**Filed:** 11/17/2004

**Applicant:** Sun Microsystems, Inc.

**Reel/Frame No.:** 016007/0616

**Reference No:** 33226/974001; P8226

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19. Patent Application/Serial No.: 10/881,101
- Title: USING CLASS PROPERTIES TO  
DEGREGATE OBJECTS IN A  
GENERATION MANAGED BY THE  
TRAIN ALGORITHM
- Filed: 6/30/2004
- Applicant: Sun Microsystems, Inc.
- Reel/Frame No.: 015539/0072
- Reference No: 33226/975001; P8231
20. Patent Application/Serial No.: 11/021,287
- Title: METHOD AND APPARATUS FOR  
FORWARDING REFERENCES TO  
OBJECTS CONCURRENTLY WITH  
SPACE-INCREMENTAL GARBAGE  
COLLECTION
- Filed: 12/23/2004
- Applicant: Sun Microsystems, Inc.
- Reel/Frame No.: 015627/0335
- Reference No: 33226/976001; P8274
21. Patent Application/Serial No.: 10/313,878
- Patent No.: 7,143,124
- Title: DETECTION OF DEAD REGIONS  
DURING INCREMENTAL  
COLLECTION
- Filed: 12/6/2002
- Applicant: Sun Microsystems, Inc.
- Reel/Frame No.: 013559/0709
- Reference No: 33226/977001; P8275

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22. Patent Application/Serial No.: 10/930,483  
Title: IMPROVED SCANNING OF  
EVACUATED OBJECTS IN A  
GENERATION MANAGED BY THE  
TRAIN ALGORITHM  
Filed: 8/31/2004  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 015782/0538  
Reference No: 33226/978001; P8276
23. Patent Application/Serial No.: 10/391,405  
Title: PARALLEL CACHING OF  
INSERTIONS INTO REMEMBERED  
SETS  
Filed: 3/18/2003  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 013890/0128  
Reference No: 33226/979001; P8303
24. Patent Application/Serial No.: 11/131,827  
Title: METHOD AND APPARATUS FOR  
CONCURRENTLY PROCESSING  
REMEMBERED SETS IN A SPACE-  
INCREMENTAL GARBAGE  
COLLECTOR  
Filed: 5/18/2005  
Applicant: Sun Microsystems, Inc.  
Reel/Frame No.: 016366/0209  
Reference No: 33226/981001; P8317

25. Patent Application/Serial No.: 10/309,503

Patent No.: 7,136,887

Title: METHOD AND MECHANISM FOR  
FINDING REFERENCES IN A CARD  
IN TIME LINEAR IN THE SIZE OF  
THE CARD IN A GARBAGE-  
COLLECTED HEAP

Filed: 12/4/2002

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013550/0405

Reference No: 33226/982001; P8318

26. Patent Application/Serial No.: 10/799,186

Title: EXPLOITING POPULAR OBJECTS TO  
REDUCE MUTATOR OVERHEAD

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015091/0736

Reference No: 33226/984001; SUN040081

27. Patent Application/Serial No.: 10/986,527

Title: EXPLOITING POPULAR OBJECTS TO  
REDUCE MUTATOR OVERHEAD

Filed: 11/11/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015983/0321

Reference No: 33226/984002; SUN040081

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28. Patent Application/Serial No.: 10/799,187

Title: CONCURRENT-MARKING-  
INITIATION HEURISTIC

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015095/0376

Reference No: 33226/983001; SUN040079

29. Patent Application/Serial No.: 10/986,401

Title: CONCURRENT-MARKING-  
INITIATION HEURISTIC

Filed: 11/11/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016020/0320

Reference No: 33226/983002; SUN040079-CIP

30. Patent Application/Serial No.: 11/090,398

Title: METHOD AND APPARATUS FOR  
SWITCHING BETWEEN PER-THREAD  
AND PER-PROCESSOR RESOURCE  
POOLS IN MULTI-THREADED  
PROGRAMS

Filed: 3/25/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016300/0319

Reference No: 33226/987001; SUN040951



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31. Patent Application/Serial No.: 11/215,510

Title: METHOD AND APPARATUS FOR  
SELECTIVELY ELIMINATING WRITE  
BARRIERS IN SNAPSHOT-AT-THE-  
BEGINNING CONCURRENT-  
MARKING GARBAGE COLLECTORS

Filed: 8/30/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016542/0156

Reference No: 33226/989001; SUN041094

32. Patent Application/Serial No.: 11/128,791

Title: METHOD AND APPARATUS FOR  
REDUCING REMEMBERED SET  
OVERHEAD IN A GENERATIONAL  
GARBAGE COLLECTOR BY  
CONSTRAINING COLLECTION SET  
CHOICE

Filed: 5/13/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016336/0241

Reference No: 33226/990001; SUN041424

33. Patent Application/Serial No.: 11/021,260

Title: METHOD AND APPARATUS FOR  
ISOLATING SELECTED HEAP  
OBJECTS USING A FAULTING  
ADDRESS TRAP

Filed: 12/23/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015627/0286

Reference No: 33226/991001; SUN041505

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34. Patent Application/Serial No.: 11/091,611

Title: METHOD AND APPARATUS FOR  
IMPROVING PARALLEL MARKING  
GARBAGE COLLECTORS THAT USE  
EXTERNAL BITMAPS

Filed: 3/28/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016082/0276

Reference No: 33226/992001; SUN050023

35. Patent Application/Serial No.: 11/091,032

Title: METHOD AND APPARATUS FOR  
RECORDING MODIFIED REFERENCE  
LOCATIONS IN GARBAGE-  
COLLECTED HEAP MEMORY

Filed: 3/28/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016082/0191

Reference No: 33226/993001; SUN050025

36. Patent Application/Serial No.: 11/218,145

Title: METHOD AND APPARATUS FOR  
DYNAMICALLY PRE-TENURING  
OBJECTS IN A GENERATIONAL  
GARBAGE COLLECTION SYSTEM

Filed: 9/1/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016542/0121

Reference No: 33226/994001; SUN050202

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37. Patent Application/Serial No.: 11/218,179

Title: METHOD AND APPARATUS FOR  
BYTE ALLOCATION ACCOUNTING  
IN A SYSTEM HAVING A MULTI-  
THREADED APPLICATION AND A  
GENERATIONAL GARBAGE  
COLLECTOR THAT DYNAMICALLY  
PRE-TENURES OBJECTS

Filed: 9/1/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016542/0109

Reference No: 33226/995001; SUN050203

38. Patent Application/Serial No.: 11/474,599

Title: APPARATUS AND METHOD FOR  
COORDINATED VIEWS OF  
CLUSTERED DATA

Filed: 6/26/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 017917/0010

Reference No: 33226/996001; SUN050482

39. Patent Application/Serial No.: 11/477,021

Title: METHOD AND APPARATUS FOR  
SEARCHING AND RESOURCE  
DISCOVERY IN A DISTRIBUTED  
ENTERPRISE SYSTEM

Filed: 6/28/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33226/997001; SUN050600

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40. Patent Application/Serial No.: 11/413,641

Title: METHOD AND APPARATUS FOR  
BROWSING SEARCH RESULTS VIA A  
VIRTUAL FILE SYSTEM

Filed: 4/28/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 017754/0711

Reference No: 33226/998001; SUN050633

41. Patent Application/Serial No.: 11/182,539

Title: METHOD AND APPARATUS FOR  
GENERATING MEDIA PLAYLISTS BY  
DEFINING PATHS THROUGH MEDIA  
SIMILARITY SPACE

Filed: 7/15/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016366/0563

Reference No: 33226/999001; SUN050732

42. Patent Application/Serial No.: 10/800,363

Title: MIXING COPYING COLLECTION  
AND CONCURRENT MARKING

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015983/0314

Reference No: 33226/938000; SUN040073

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**43. Patent Application/Serial No.:** 09/837,669

**Patent No.:** 7,017,160

**Title:** CONCURRENT SHARED OBJECT  
IMPLEMENTED USING A LINKED-  
LIST WITH AMORTIZED NODE  
ALLOCATION

**Filed:** 4/18/2001

**Applicant:** Sun Microsystems, Inc.

**Reel/Frame No.:** 011734/0644

**Reference No:** 33226/960001; P4665-CIP-0

**44. Patent Application/Serial No.:** 11/384,627

**Title:** CONCURRENCY TECHNIQUE FOR  
SHARED OBJECTS

**Filed:** 3/20/2006

**Applicant:** Sun Microsystems, Inc.

**Reference No:** 33226/960002; P4665US-CON-0

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Application No. (if known): 10/799,186

Attorney Docket No.: 33226/984001; SUN040081

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on July 26, 2007  
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Jaime M. Malley

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